



Risk Assessment and Mitigation Phase Cross-Functional Factor

(SCG-CFF-6-WP)

**Safety Management System
Workpapers**

May 17, 2021

2021 RAMP
 SCG-CFF-6-WP
 Cross-Functional Factors Recorded and Forecast Costs Incurred Workpaper
 Tab: Incurred\$
 (2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	RECORDED DOLLARS										FORECAST DOLLARS										Shared Allocations (Yes/No)			
				O&M					Capital					O&M					Capital								
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023			2024		
														\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High		\$ Low	\$ High	
SCG-CFF-6	Safety Management System	1	SMS Framework	\$ -	\$ 55	\$ 66	\$ 46	\$ 833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 782	\$ 946	\$ 782	\$ 946	\$ 782	\$ 946	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	2	Pipeline Safety & Compliance Oversight	\$ 570	\$ 654	\$ 674	\$ 701	\$ 718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 682	\$ 825	\$ 682	\$ 825	\$ 682	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	3	Continuous Improvement and Quality Assurance	\$ 2,376	\$ 2,174	\$ 2,225	\$ 1,932	\$ 2,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,940	\$ 2,349	\$ 1,940	\$ 2,349	\$ 1,940	\$ 2,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	4	Technology and Analytics	\$ -	\$ -	\$ -	\$ -	\$ 553	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525	\$ 636	\$ 525	\$ 636	\$ 525	\$ 636	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	5	Develop Incident Evaluation Central Database and Further Enhance Causal Analysis Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 145	\$ 100	\$ 145	\$ 100	\$ 145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	6	Expanded Quality Assessment Programs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 113	\$ 164	\$ 113	\$ 164	\$ 113	\$ 164	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	7	Expanded Compliance Assurance program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 434	\$ 300	\$ 434	\$ 300	\$ 434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-CFF-6	Safety Management System	8	Pipeline Safety Self Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 434	\$ 300	\$ 434	\$ 300	\$ 434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
NOTES:																											
[1] The figures provided are direct charges and do not include company loaders, with the exception of vacation and sick. The costs are also in 2020 dollars and have not been escalated to 2021 amounts.																											
[2] Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.																											

2021 RAMP

SCG-CFF-6-WP

Cross-Functional Factors Recorded and Forecast Costs Shared Allocations Workpaper

Tab: Shared Allocations

(2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	O&M Shared Allocations			
				Retained	SDG&E	Sempra Energy	Other
SCG-CFF-6	Safety Management System	1	SMS Framework	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	2	Pipeline Safety & Compliance Oversight	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	3	Continuous Improvement and Quality Assurance	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	4	Technology and Analytics	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	5	Develop Incident Evaluation Central Database and Further Enhance Causal Analysis Training	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	6	Expand Quality Assessment Programs	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	7	Expand Compliance Assurance program	100%	0%	0%	0%
SCG-CFF-6	Safety Management System	8	Pipeline Safety Self Assessments	100%	0%	0%	0%

2021 RAMP
 SCG-CFF-6-WP
 Cross-Functional Factors Recorded and Forecast Costs After Allocations Workpaper
 Tab: After Allocations\$
 (2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	RECORDED DOLLARS										FORECAST DOLLARS											
				O&M					Capital					O&M				Capital				Capital			
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023		2024	
										\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High				
SCG-CFF-6	Safety Management System	1	SMS Framework	\$ -	\$ 55	\$ 66	\$ 46	\$ 823	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 782	\$ 946	\$ 782	\$ 946	\$ 782	\$ 946	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	2	Pipeline Safety & Compliance Oversight	\$ 570	\$ 654	\$ 674	\$ 701	\$ 718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 682	\$ 825	\$ 682	\$ 825	\$ 682	\$ 825	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	3	Continuous Improvement and Quality Assurance	\$ 2,376	\$ 2,174	\$ 2,225	\$ 1,932	\$ 2,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,940	\$ 2,349	\$ 1,940	\$ 2,349	\$ 1,940	\$ 2,349	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	4	Technology and Analytics	\$ -	\$ -	\$ -	\$ -	\$ 553	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525	\$ 636	\$ 525	\$ 636	\$ 525	\$ 636	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	5	Develop Incident Evaluation Central Database and Further Enhance Causal Analysis Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 145	\$ 100	\$ 145	\$ 100	\$ 145	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	6	Expand Quality Assessment Programs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 113	\$ 164	\$ 113	\$ 164	\$ 113	\$ 164	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	7	Expand Compliance Assurance program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 434	\$ 300	\$ 434	\$ 300	\$ 434	\$ -	\$ -	\$ -	\$ -	
SCG-CFF-6	Safety Management System	8	Pipeline Safety Self Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 434	\$ 300	\$ 434	\$ 300	\$ 434	\$ -	\$ -	\$ -	\$ -	
NOTES:																									
[1] The figures provided are direct charges and do not include company loaders, with the exception of vacation and sick. The costs are also in 2020 dollars and have not been escalated to 2021 amounts.																									
[2] Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.																									